# SAFETY DATA SHEET



## 1. IDENTIFICATION

**Product Identifier**

**Product Name** Dichlorosan A

**Recommended use of the chemical and restrictions on use**

**Recommended use** Chlorinated additive
**Restrictions on use** For industrial use only
**Supplier details** West Penetone Inc
10900 Secant
Montreal, QC,
H1J 5S1
Tel: 514-355-4660

**Emergency Telephone Number**

West Penetone Inc: (514) 355-4660 8h-17h Monday to Friday
Poison Control Center (Emergency, 24 H): 1-844-POISON-X or 1-844-764-7669

## 2. HAZARDS IDENTIFICATION

**Classification**

| | |
|---|---|
| Skin Corrosion/Irritation | Category 1 |
| Eye damage/ irritation | Category 1 |
| Acute toxicity- oral | Category 4 |
| Acute toxicity- inhalation | Category 2 |
| Acute toxicity- dermal | Category 3 |
| Oxidizing solids | Category 2 |

**Label Elements**

**DANGER**

**Hazard Statements**
Causes severe skin burns and eye damage
Harmful if swallowed
Fatal if inhaled
Toxic in contact with skin
Heating may cause a fire
May intensify fire; oxidizer

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well ventilated area.
In case of inadequate ventilation, wear respiratory protection.
Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep away from clothing and other combustible materials.
Keep only in original packaging. Keep cool.

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse. Call a POISON CENTER / doctor if you feel unwell.
IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
In case of fire: Use $CO_2$, foam, dry chemical, water fog to extinguish.

**Precautionary Statements - Storage**
Store locked up. Store in a well ventilated place. Keep container tightly closed.

**Precautionary Statements - Disposal**
Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight % |
|---|---|---|
| Sodium chlorite | 7758-19-2 | 45-50 |
| Sodium sulfate | 7757-82-6 | 20-30 |
| Sodium carbonate | 497-19-8 | 10-20 |
| | | |

## 4. FIRST AID MEASURES

**Eye contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**Skin contact** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

**Inhalation** Remove person to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor/physician.

**Ingestion** Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

Causes severe burns to eyes, skin and mucous membranes. Symptoms include tingling sensation, stinging pain and / or reddening or whitening of tissues.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**
None.

**Specific hazards arising from the chemical**
Oxidizer. Contact with other materials may cause fire or may react with other material or upon heating. The product causes burns to eyes, skin and mucous membranes.

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**
Avoid contact with skin, eyes and clothing. Use personal protective equipment as described in Section 8.

**Environmental Precautions**
Prevent further leakage or spillage if safe to do so.

**Methods and material for containment and cleaning up**
Sweep up and place in suitable, closed containers for disposal in accordance with local/national regulations. After cleanup, rinse area with water.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

**Handling** Avoid contact with skin, eyes and clothing. Wash face, hands and any exposed skin thoroughly after handling. Use personal protective equipment as described in Section 8.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** Acids, reducing agents, organic materials.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters**

None of the constituents in this product have a known exposure limit.

**Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Splash proof goggles or face shield.

**Skin and body protection** Wear rubber or neoprene gloves.

**Respiratory Protection** If exposure limits are exceeded or if ventilation is inadequate, NIOSH/MSHA approved respiratory protection should be worn.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE :**
Grayish, granular powder
**ODOR**
Faint chlorine
**ODOR THRESHOLD :**
Not applicable

**VAPOR PRESSURE, mm Hg AT 20ºC :**
Not applicable
**VAPOR DENSITY (Air = 1) :**
Not applicable
**RELATIVE DENSITY AT 20ºC:**
Not applicable

**pH :**
Not applicable
**MELTING POINT / FREEZING POINT :**
Not applicable
**BOILING POINT/BOILING RANGE :**
Not applicable
**FLASH POINT :**
None
**EVAPORATION RATE, water = 1 :**
Not applicable
**FLAMMABILITY (SOLID, GAS):**
Not combustible

**SOLUBILITY IN WATER :**
Not available
**PARTITION COEFFICIENT, N-OCTANOL/WATER :**
Not available
**AUTO-IGNITION TEMPERATURE :**
None
**DECOMPOSITION TEMPERATURE:**
Not available
**VISCOSITY:**
Not applicable
**FLAMMABLE LIMITS :**
**UPPER:** Not applicable **LOWER :** Not applicable

## 10. STABILITY AND REACTIVITY

**Reactivity**
Not reactive

**Chemical Stability**
Stable under normal conditions.

**Incompatible Materials**
Acids, reducing agents, organic materials.

**Conditions to Avoid**
Store away from incompatible materials.

**Possibility of hazardous reactions**
Chlorine gas will be generated if mixed with acids.

**Hazardous decomposition products**
Chlorine, sodium oxides

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|---|---|---|
| Sodium chlorite<br>7758-19-2 | 165 mg/kg (Rat) | 107.2 mg/kg (Rabbit) | 230 mg/m$^3$ rat – 4h |
| Sodium sulfate<br>7757-82-6 | > 10000 mg/kg (Rat) | No data available | No data available |
| Sodium carbonate<br>497-19-8 | 2800 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | 2.3 mg/L rat – 2h |

**Information on likely sources of exposure**

**Serious eye damage/irritation** Corrosive to eyes and may cause grave lesions.
**Skin corrosion/irritation** Corrosive to skin.
**Ingestion** Ingestion may cause burns to the digestive and respiratory tract.
**Inhalation** Spray mist may cause irritation or burns to respiratory tract.

**Delayed and immediate effects and also chronic effects from short and long-term exposure**

**Respiratory or skin sensitization** Not a sensitizer.
**Germ cell mutagenicity** None known.
**Carcinogenicity** No listed human carcinogens.
**Reproductive toxicity** None known.
**STOT - single exposure** None known
**STOT-repeated exposure** None known.
**Aspiration Hazard** None.

**Symptoms related to the physical, chemical and toxicological characteristics**

Refer to Section 4.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**
No information available

**Persistence and degradability**
No information available

**Bioaccumulative potential**
No information available

**Mobility in soil**
No information available

**Other adverse effects**
None known

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose of in accordance with local regulations.

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. TRANSPORT INFORMATION

**TDG classification**

UN1479, OXIDIZING SOLID, N.O.S. (sodium chlorite), class 5.1, PG II

## 15. REGULATORY INFORMATION

All ingredients are listed on the DSL

## 16. OTHER INFORMATION

**Preparation Date** January 2, 2017
**Revision Date** July 1, 2025
**Revision Note** Updated emergency telephone number

**Disclaimer**
**The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.**

**End of SDS**

# SAFETY DATA SHEET



## 1. IDENTIFICATION

**Product Identifier**

**Product Name** Dichlorosan B

**Recommended use of the chemical and restrictions on use**

**Recommended use** Acidic additive
**Restrictions on use** For industrial use only

**Supplier details**

West Penetone Inc.
10900 Secant
Montreal, QC,
H1J 5S1
Tel: 514-355-4660

**Emergency Telephone Number**

West Penetone Inc: (514) 355-4660 8h-17h Monday to Friday
Poison Control Center (Emergency, 24 H): 1-844-POISON-X or 1-844-764-7669

## 2. HAZARDS IDENTIFICATION

**Classification**

| | |
|---|---|
| Eye damage/Irritation | Category 1 |

**Label Elements**

**DANGER**

**Hazard Statements**
Causes serious eye damage

**Precautionary Statements - Prevention**
Wear eye protection/face protection.

**Precautionary Statements - Response**
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight % |
|---|---|---|
| Sodium bisulfate | 7681-38-1 | 90-100 |
| | | |

## 4. FIRST AID MEASURES

**Eye contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Contact physician if irritation persists.

**Skin contact** Rinse skin with water. Wash contaminated clothing before reuse.

**Inhalation** Not applicable

**Ingestion** Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

Causes irritation to eyes. Symptoms include tingling sensation and / or reddening.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**
None.

**Specific hazards arising from the chemical**
None known.

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**
Avoid contact with skin, eyes and clothing. Use personal protective equipment.

**Environmental Precautions**
Prevent further leakage or spillage if safe to do so.

**Methods and material for containment and cleaning up**
Rinse area with plenty of water.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

**Handling** Avoid contact with skin, eyes and clothing.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** Oxidizers, chlorinated products

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters**

None of the constituents in this product have a known exposure limit.

**Appropriate engineering controls**

**Engineering Controls** Not required.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Safety goggles.

**Skin and body protection** Wear protective gloves.

**Respiratory Protection** Not required.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE :**
White globular beads
**ODOR**
None
**ODOR THRESHOLD :**
Not applicable
**pH :**
< 1 (5% solution)
**MELTING POINT / FREEZING POINT :**
315 ºC
**BOILING POINT/BOILING RANGE :**
Not applicable

**VAPOR PRESSURE, mm Hg AT 20ºC :**
Not applicable
**VAPOR DENSITY (Air = 1) :**
Not applicable
**RELATIVE DENSITY AT 20ºC:**
Not applicable
**SOLUBILITY IN WATER :**
285 g/L at 25ºC
**PARTITION COEFFICIENT, N-OCTANOL/WATER :**
Not available
**AUTO-IGNITION TEMPERATURE :**
None

**FLASH POINT :**
None
**EVAPORATION RATE, water = 1 :**
Not applicable
**FLAMMABILITY (SOLID, GAS):**
Non combustible

**DECOMPOSITION TEMPERATURE:**
Not available
**VISCOSITY:**
Not applicable
**FLAMMABLE LIMITS :**
**UPPER:** Not applicable **LOWER :** Not applicable

## 10. STABILITY AND REACTIVITY

**Reactivity**
Not reactive

**Conditions to Avoid**
None.

**Chemical Stability**
Stable under normal conditions.

**Possibility of hazardous reactions**
Chlorine and other toxic gases will be generated if mixed with chlorinated compounds.

**Incompatible Materials**
Oxidizers, chlorinated products

**Hazardous decomposition products**
None

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|---|---|---|
| Sodium bisulfate<br>7681-38-1 | 2800 mg/kg (Rat) | No data available | Not applicable |

**Information on likely sources of exposure**

**Serious eye damage/irritation** Irritating to eyes.
**Skin corrosion/irritation** May irritate skin after prolonged exposure

**Delayed and immediate effects and also chronic effects from short and long-term exposure**

**Respiratory or skin sensitization** Not a sensitizer.
**Germ cell mutagenicity** None known.
**Carcinogenicity** No listed human carcinogens.
**Reproductive toxicity** None known.
**STOT - single exposure** None known.
**STOT-repeated exposure** None known.
**Aspiration Hazard** None.

**Symptoms related to the physical, chemical and toxicological characteristics**

Symptoms include tingling sensation and / or reddening of eyes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**
No information available

**Persistence and degradability**
No information available

**Bioaccumulative potential**
No information available

**Mobility in soil**
No information available

**Other adverse effects**
None known

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose of in accordance with local regulations.

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. TRANSPORT INFORMATION

**TDG classification**

Not regulated

## 15. REGULATORY INFORMATION

All ingredients are listed on the DSL

## 16. OTHER INFORMATION

**Preparation Date** January 2, 2017
**Revision Date** July 1, 2025
**Revision Note** Updated emergency telephone number

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**End of SDS**